

WHAT IS CLAIMED IS:

1. A method of adjusting the optical thickness of an optical component made from a material transparent to light to be used, comprising;

5 adding one of layers of a material which is the same as the material of said optical component, and of a material which has an index of refraction close to the index of refraction of said material of said optical component, to a surface of said optical component by at least one of vapor deposition and vapor growth, so that optical thickness is
10 increased.

2. A method of adjusting the optical thickness of an optical component made from a material transparent to light
15 to be used, comprising;

etching a surface of said optical component to reduce said optical thickness.

3. A method of adjusting the position of an optical
20 component, comprising;

adhering a layer of material to said optical component by at least one of vapor deposition, plating, and vapor growth to adjust the position of at least one surface of said optical component.

25

4. A method of adjusting the position of an optical component, comprising;
etching a surface of said optical component to adjust the position of at least one surface thereof.

5

5. An optical component whose optical thickness has been adjusted by the thickness adjustment method of Claim 1.

6. An optical component whose optical thickness has been
10 adjusted by the thickness adjustment method of Claim 2.

7. An optical component whose optical thickness has been adjusted by the thickness adjustment method of Claim 3.

8. An optical component whose optical thickness has been
15 adjusted by the thickness adjustment method of Claim 4.